

CLAIMS

1. An arrangement in a telephony system (TS1) including
at least one mobile radio telephone for being radio connected to a mobile radio
telephony network in the telephony system via a radio link; and

5 at least one stationary telephony terminal,
characterized in that

the stationary telephony terminal and the mobile radio telephone have each a
short range transceiver for intercommunication via a short range wireless
communication link; and

the stationary telephony terminal is arranged to communicate over the mobile
radio telephony network via the mobile radio telephone.

2. An arrangement in a telephony system according to claim 1,
characterized in that the stationary telephony terminal has a device for taking a
telephone number to a called subscriber.

3. An arrangement in a telephony system according to claim 1,
characterized in that the short range transceivers are radio trasceivers.

4. An arrangement in a telephony system according to claim 3,
characterized in that the short range radio transceivers are bluetooth transceivers.

5. An arrangement in a telephony system according to claim 1,
20 characterized in that the short range transceivers are optical transceivers.

6. An arrangement in a telephony system according to claim 1,
characterized in that the stationary terminal includes a device for generating a ring
signal.

7. Method for communicating in a telephony system via a communication
25 arrangement, the arrangement including:

at least one mobile radio telephone for being radio connected to a mobile radio telephony network in the telephony system via a radio link; and

at least one stationary telephony terminal,
characterized in that the method includes:

5 intercommunicating via a short range wireless communication link between the stationary telephony terminal and the mobile radio telephone; and

communicating by the stationary telephony terminal over the mobile radio telephony network via the mobile radio telephone.

8. Method for communicating in a telephony system according to claim 7, characterized by the following steps:

sending, from the stationary telephony terminal, discovery signals over the short range wireless communication link;

receiving in the mobile radio telephone said discovery signals;

sending response signals from the mobile radio telephone;

receiving in the stationary telephony terminal the response signals; and

sending a mobile identification signal from the mobile radio telephone.

9. Method for communicating in a telephony system according to claim 8, characterized in that the identification signal includes an individual identification signal for the mobile radio telephone.

20 10. Method for communicating in a telephony system according to claim 7, characterized by the following steps:

sending, from the mobile radio telephone, discovery signals over the short range wireless communication link;

receiving in the stationary telephony terminal said discovery signals;

25 sending response signals from the stationary telephony terminal;

receiving in the mobile radio telephone the response signals; and

sending a mobile identification signal from the mobile radio telephone.

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11. Method for communicating in a telephony system according to claim 10, characterized in that the identification signal from the mobile radio telephone includes an individual identification signal for the mobile radio telephone.

12. Method for communicating in a telephony system according to claim 9, characterized by sending from the stationary telephony terminal an authentication code to the mobile radio telephone.

13. Method for communicating in a telephony system according to claim 12, characterized by taking a service code on the stationary telephony terminal, indicating when the sent authentication code is valid.

14. Method for communicating in a telephony system according to claim 12, characterized by checking the authentication code in the mobile radio telephone.

15. Method for communicating in a telephony system according to claim 12, characterized by checking the authentication code in the mobile radio telephony network.

16. Method for communicating in a telephony system according to claim 7, characterized by the method including the following steps:

receiving an incoming call on the mobile radio telephone via the radio link from the mobile radio telephony network;

transmitting a message regarding the call to the stationary telephony terminal via the short range wireless communication link; and

establishing a speech channel on the short range wireless communication link.

17. Method for communicating in a telephony system according to claim 16, characterized by generating a ring signal in the stationary telephony terminal in dependence of the message regarding the call.

18. Method in a telephony system according to claim 7, characterized by the method including the following steps:

setting up a connection on the short range wireless communication link;

taking a telephone number on the stationary telephony terminal to a called

subscriber;

transmitting the telephone number to the mobile radio telephone via the short range wireless communication link;

setting up a connection on the radio link from the mobile radio telephone to the mobile radio telephony network in dependence on the transmitted telephone number.

19. A stationary telephony terminal, characterized in that it includes:

a short range transceiver for intercommunication with a mobile radio telephone via a short range wireless communication link; and

a controlling device connected to the short range transceiver, wherein the controlling device is arranged to support telephony from the stationary telephony terminal over a mobile radio telephony network via said mobile radio telephone.

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